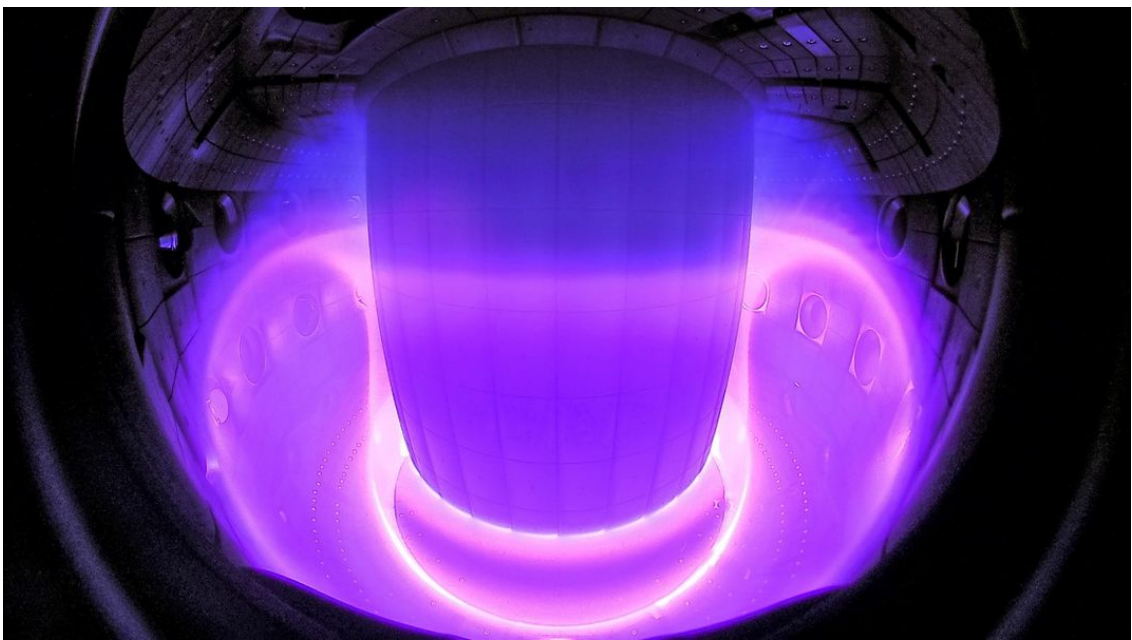




Fusion in Europe is the official newsletter of EUROfusion, the European consortium for the realisation of fusion energy. Each issue, we will bring you the latest news and views on the progress of fusion research in Europe.



Dear Reader,

In this issue of *Fusion in Europe* we present a mix of fusion stories from all across Europe. From exciting topics like our Horizon EUROfusion event and AI-controlled fusion plasma, to the sad news of ITER's Director-General passing away, videos and podcasts with the new fusion generation and even robotic snakes, these stories cover the width and breadth of fusion in Europe.

Don't forget to shoot us a message at news@euro-fusion.org if you want to comment, suggest news or send in a question.

This issue of *Fusion in Europe*:

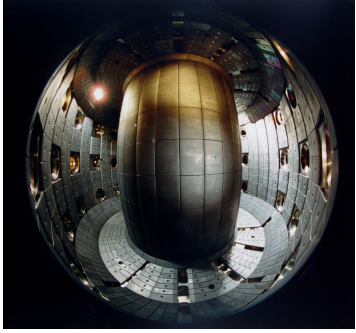


Event: Horizon EUROfusion

At a livestreamed event on 5 July 2022, EUROfusion will celebrate past successes and looks ahead at exciting work planned in its new research programme.

Breaking a law of fusion

Future devices may be able to reach a higher fuel density - and energy performance - than what was predicted by fusion's Greenwald limit, say European researchers.

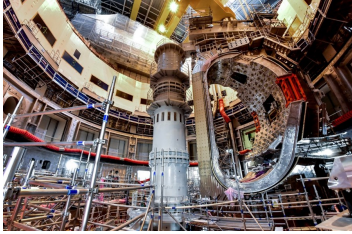
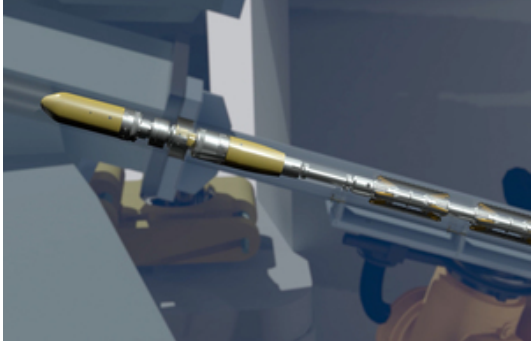


Remembering Bernard Bigot

On 14 May 2022, ITER Director-General Bernard Bigot passed away due to illness. His deputy Eisuke Tada assumes the interim role of Director-General until a long-term successor to Dr Bigot has been identified and is ready to take office.

Robotic snake

A laser-welding 'robotic snake' developed for DEMO by the UK Atomic Energy Authority has demonstrated its ability to operate inside of pipework and is now patented technology.

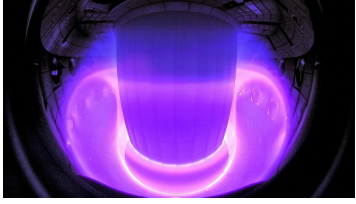


First module lifted into ITER tokamak pit

On 11-12 May ITER lifted the first of nine 1,380 tonne assemblies of a vacuum vessel section and magnetic coils into the assembly pit.

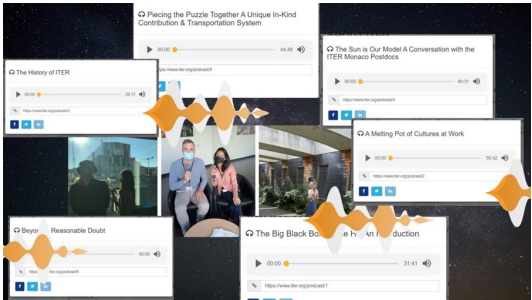
EPFL and DeepMind use AI to control nuclear fusion

Scientists at EPFL's Swiss Plasma Center and DeepMind have jointly developed a new method for controlling plasma configurations for use in nuclear fusion research.



Young nuclear professionals

What does the new nuclear generation look like? This Euratom video profiles young professionals in the nuclear field.



Podcast: ITER Stories



Podcast: Glass of Seawater



5 July 2022: Horizon EUROfusion launch event
18 - 28 July 2022: Culham Plasma Physics Summer School
12 - 16 September 2022: IPP Summer University 2022
4 - 7 October: Big Science Forum
4 April 2023: ITER Business Forum

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If you have a comment, suggestion for news or question you would like answered, please contact us at news@euro-fusion.org.

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